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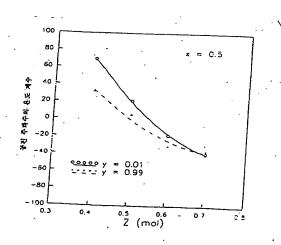
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(30) Priority:

(54) Title of Invention DIELECTRIC COMPOSITION FOR HIGH-FREQUENCY WAVE

Representative drawing



(57) Abstract:

Dielectric ceramic composition for high-frequency wave is described which has high quality coefficient(Q value) and dielectric constant, and good temperature coefficient of resonance frequency. The dielectric ceramic composition may be represented as following formula: (1-z)(Sr1-yCay)TiO3zLa(Zn1-x/2Mgx/2Ti1/2)O3, where, the range of x is from 0 to 1.0, the range of y is from 0.01 to 0.99 and the range of z is from 0.4 to 0.7. The dielectric composition according to the

invention has dielectric constant of 33.1 to 60.2, Qxfo(GHz) of 25,060 to 66,140, and the temperature coefficient of resonance frequency(TCF) ranging from -39.35 to 83.60 ppm/deg. C, which TCF being able to be controlled at a range of +-10ppm/deg. C depending on amount of addition of impurities, so that the ceramic

composition may effectively be used in telecommunication system.

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(54) 고주파용 유전체 조성물

요약

[목적][구성] 1. 높은 품질 계수(Q값)의 유전율을 가지며 또한 공진 주파수의 온도 계수가양호한 것을 특징으로 하는 고

주파용 유전체 조성물.